

Applicants: B. Ferek-Petric
Serial No. 10/085,047
Page 2

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IN THE SPECIFICATION:

At page 1, line 2 of the application (below the title), please insert the following cross-reference to a related, co-pending application, as follows:

CROSS REFERENCE TO RELATED APPLICATION

This patent document is a divisional application of co-pending non-provisional U.S. patent application serial no. 09/558,870 filed 28 April 2000 and entitled, "ISCHEMIC HEART DISEASE DETECTION."

In the first paragraph of page 10 (at lines 1-11), please as follows:

The left ventricular pacing lead 41 shown in Figure 4 is located within the coronary sinus and great vein of heart 8 and, in one configuration, can provide pacing stimuli to a surface of the left ventricle of heart 8. Left ventricular pacing lead 41 is inserted such that a blood flow sensor 22 within pacing electrode 41 produces a signal representing the flow rate of blood through the coronary sinus. In one configuration, left ventricular pacing lead 41 is a bipolar lead that includes an indifferent electrode (not depicted) 24 and spaced from an active electrode 26 for delivering pacing pulses therebetween. In another configuration as depicted in Figure 4, left ventricular pacing lead 41 is a unipolar lead having a single pacing electrode at the distal end of the lead. At the proximal end of the lead is connector plug 23 carrying an electrical connector coupled to the coiled conductor.

At page 9, line 24, after the term "head" please strike the number ("15").

At page 11, lines 21-24 please amend as follows:

Flow acquisition circuit 94 acquires input signal from flow sensor 22 (depicted in Figure 3), such as a ultrasonic Doppler transducer or of an

Applicants: B. Ferek-Petric
Serial No. 10/085,047
Page 3

electrochemical flow sensor, and provides digitized flow data to microprocessor 51 for further blood flow calculations.

Please delete each occurrence of 'circuit 74' and insert in lieu thereof 'circuit 63' (i.e., at page 6, line 17; page 7, line 5, 9, 11, 17 and 27; page 17, line 28).